

SEQ ID NO: 1

GTCTGAAGGACCTGAGGCATTTGTGACGAGGATCGTCTCAGGTCAAGGGAGGGAGGAGACTTATAGACCTATCCAGTCT
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SEQ ID NO. 2

MGDKDMPTAGMPSSLQSSSESPQSCPEGEDSQSPLQIPQSSPESDDTLYPLQSPQRSEGEDSSDPLQRPEGKDSQSPL
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FGISLREVDPDDSYVFVNTLDLTSEGCLSDEQGMSQNRLLILISIIFIKGTYASEEVIWDVLSGIGVRAGREHFAFGEP
RELLTKVVVQEHYLEYREVPNSSPPRYEFLWGPRAHSEVIKRKVVEFLAMLKNTVITFPSSYKDALKDVEERAQAIIDT
DDSTATESASSSVMSPSFSSE.

KOC gene (from GenBank) (SEQ ID NO: 4)

56Q 10μM: 4°C (+)

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CNGGGCGGGGCTGAGATCAGGTTGCCCACTTGTGAGAAAGATGTGTCAGTCAAGGAACCCCTGATCTNTCAGCCCCAAACACCCACCCAAATGGCC
AACACTGTNTGCCCTGGGGTGTAGAAATNTAGC3CAAGGCACTTTAACGGATGTTAACAGCTCTCCAGGCCCCACCAAGGGGGAT
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SEQ ID NO: 5

KOC-3 nucleotide sequence (clone MNW32c) (SEQ ID NO: 6)

GGCAGGGGGGGGAGGGCGCCGGTACCGGGGGGGGGGGCTCTGGGGAAAGAACGGATGATGAACAAAGCTTACATCGGGAACCTGA. 100
GCCCGGCCGTCACCGCCGACCTCCGGCAGCTCTGGGACAGGGTCTGCTGAAGTCCGGCTACGCCCTCGTGA
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1500
2000

SEQ ID No: 6 (ctd)

GAACGTGTTCAAAGCCAAATGCACACCCCTTCTGGCAATCGTCTCTGTACATGTTGTCATATTAGAAGGGAGATGTTAGATATGT
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GCCAGCCTGGAGAAGGTGACAGTCCAAAGTGTGCAACAGCTGTCTGAAATTGTCTTCCGCTAGCCAAGAACCNATAATGCCCTCTTGGACAAACCTGAA 3400
AAATGTTATT 3412

KOC-2 (clone TNW22) SEQ ID NO: 7

GCTGTACGGAGGGCTGGGGCTGTCCCCCTGCCCTCAGCCCACCCAGGCCGGGAGGGGGAGGGCGAGTGCTCAGCTTC
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100

500

1000

1500

KOC-3 alternatively spliced sequence (clone MNW10) (seq id no: 8)

| | |
|---|------|
| GGCAGCGGAGGGGAGGGCGCCGGGTACCGGGGGGGAGCCGGGCTCTGGGAAGAGACGGATCATGAACAAGCTTACATCGGAACCTGA GCCCGCCGTCACCGCCGACCTCCGGCAGCTCTGGGACAGGAAGCTGCCCTGGGGACAGGTCTGCTGAAGTCCGGCTACGCCCTCGTGA CTACCCCGACAGAACTCGGCCATCCGCCATGAGACCCCTCTGGTAAGTGAAATTGCAATGGAAATACTATGGAAAGTTACTCAGTCCTCAA AAGCTAAGGAGCAGGAATTCAAGATTCAGATCGAAACACAGAACAGAACCCTCTCACCTCACGAGGGTGTGGACTTTGGCTCAATATGGACAGTCGAGAATG TGGAAACAAGTCACACACAGAACAGAACAGGCAAAATAGCCATGGAGAAAGCTAACGGCATCA GTTTGAGAACTACTCCTCAAGATTCTACATCCCAGATGAAGAGGTGAGCTCCCTTCGCCCTCAGCGAGCCAGCAGATTGATTCCCGCTGCGGATCTGGTCCCAC GAGCAAGGCCACGCCCTGGGCACCTCTCAGGCCAGACAGATTGATTCCCGCTGCGGATCTGGTCCCACCCAGTTGGTGTGCCATCATCGGAA AGCGAGGGCTTGACCATAGAACATCACTAACAGACCCAGTCCGGTAGATATCCATAGAAAGAGAACATCTGGAGCTGCAGAGAAGCCACTCTCCGAC CCATGCCACCCCCAGAGGGACTCTGAGCATGCCATGATTCTGAATCATGAGAACAGGAGATAGACCAAACTAGCCGAAGAGATTCACCAT AAAATCTGGCACACATGGCTTGGAAAGACTGATGGAAAGAGGAGAAATTGAGAACATGAGAACAGGAGATAGACCAAACTGGACATGAGAACAGGAGATACAACT CATCTTGCAGGATTGAGCATATACAAACCGGAAAGAACCATCACTGTGAAGGGCACACTTGAGGCCTGTGAGATAGAGATTGAGAA GCTGCGGTGAGGCCTTGAATATGATATGCTGGTGTAAACACCAACTCCGGATACTTCTCCAGCCTGTACCCCCATCACCGAGTTGGCCGTCCCGCAT CGAGATTGCCGGAGCCTCTATCAAGATGGCCCTGCGGAAGGGCCAGACGGTCAGCGAAAGGATGGTCATCATCACCGAGTTGGCCGTCCCGCAT GCCCGAGGGACGGATCTTGGAAACTGAAAGAGAAACTCTTAACCCAAAGAACAGGAGCTGGGAAGAACGGGCACACATCAACAGCAGTGG GCTGGCCGGGTGATGGCAAAGGTGGCAAGACCGTGAACTGCAAGGACTTACCAAGCTGTGAGAACATCGGAAGAACGGGCATATCAGAGTGGCCCTCTCCACA ATGAGGAAGTGTGATGGCTAGAAATTGGGACTCTTGTCTAGCCAGACTGCAAGGCAAGTGGCTCCACAGGCACAGCAAGATCAGGGAAATGGTACAAACAGGTAAGCAGAGCA GAATAACCCCTCAGGGAGTCGCCCTCACAGGCAGCAAGTGGCTCCACAGGCACAGCAACACAGGATGTAGCCCTCGTGAACCAACGGCAGATGAA TGAGGACCAACGCCAGCCAGATGGGAGAACCAAGACCATCTGAGGAATGAGAAGTCTGGGAGGGGGCCAGGGACTCTGCCAGGGTCAACACCTGACAGAA ACCCCAAGGGGGAGGGGGGGAGCTCAGCCAGGTTGCCAGAACCCACGGGAGGGCTCTGCCAGGCTTCACACAGGAGCA CACTTCACCATCCACTGGATCTCTCTGAACTCCCACAGGAGCTATCCCTTAGGTAACATAGGTGAACTAACATAGGTGAACTGAGGAGATGTTAGA ACCCCTTTCTGGCAAATCGTCTCTGTAATAGAAAGGGAGATGTTAGATATGTTGGCTGTGGGTTACACAGGGTCAAGCAAAATGCA | 100 |
| | 500 |
| | 1500 |
| | 2000 |

SELNO: 8 (ctd)

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 3 283